Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111618\

Quantitation Report (LSC Reviewed)

Data File : VU028212.D
Acq On : 17 Nov 2018 03:17
Operator : MD/SY
Sample : J5986-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FJ3

Quant Time: Nov 26 04:37:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	156154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69047	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	58586	4.52	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 90.40%			
7) Chloroethane-d5	1.68	69	50551	4.91	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 98.20%			
11) 1,1-Dichloroethene-d2	2.28	63	87432	3.61	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 72.20%			
20) 2-Butanone-d5	4.22	46	218362	58.10	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 116.20%			
24) Chloroform-d	4.65	84	102482	4.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.40%			
26) 1,2-Dichloroethane-d4	5.32	65	62697	5.45	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 109.00%			
32) Benzene-d6	5.34	84	208930	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.80%			
36) 1,2-Dichloropropane-d6	6.33	67	78532	4.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.40%			
41) Toluene-d8	7.57	98	182602	4.35	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 87.00%			
43) trans-1,3-Dichloropropene-	7.85	79	22778	3.97	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 79.40%			
46) 2-Hexanone-d5	8.32	63	157971	48.13	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 96.26%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56848	4.99	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.80%			
64) 1,2-Dichlorobenzene-d4	11.86	152	63353	4.91	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.20%			

Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	52057	3.112	ug/L	100
17) Methyl tert-butyl Ether	3.01	73	69633	2.399	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	1622	0.147	ug/L	93
19) 1,1-Dichloroethane	3.45	63	19003	0.819	ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	32579	2.677	ug/L	99
33) Benzene	5.39	78	11813	0.224	ug/L	100
34) Trichloroethene	6.19	95	2507	0.192	ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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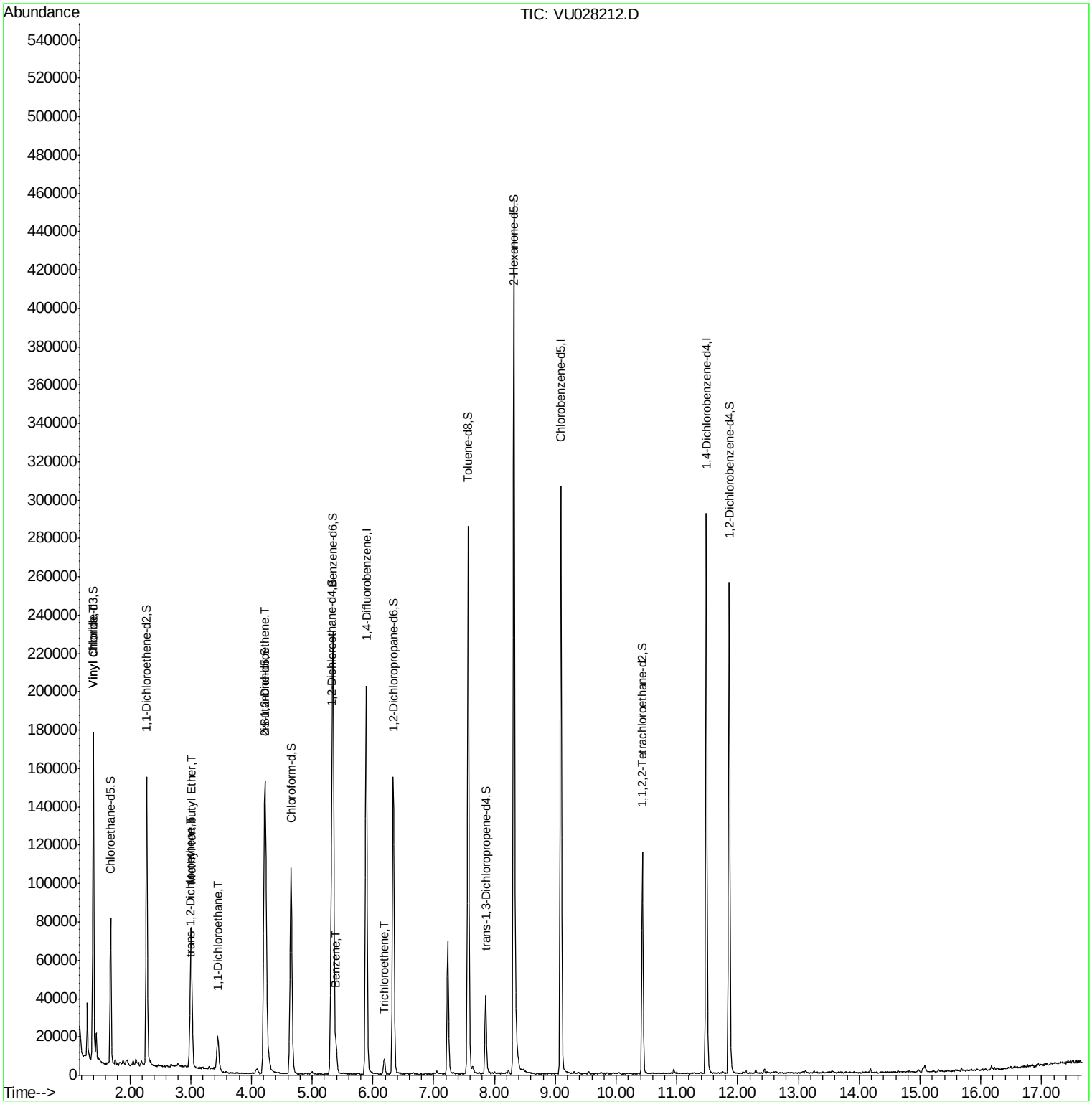
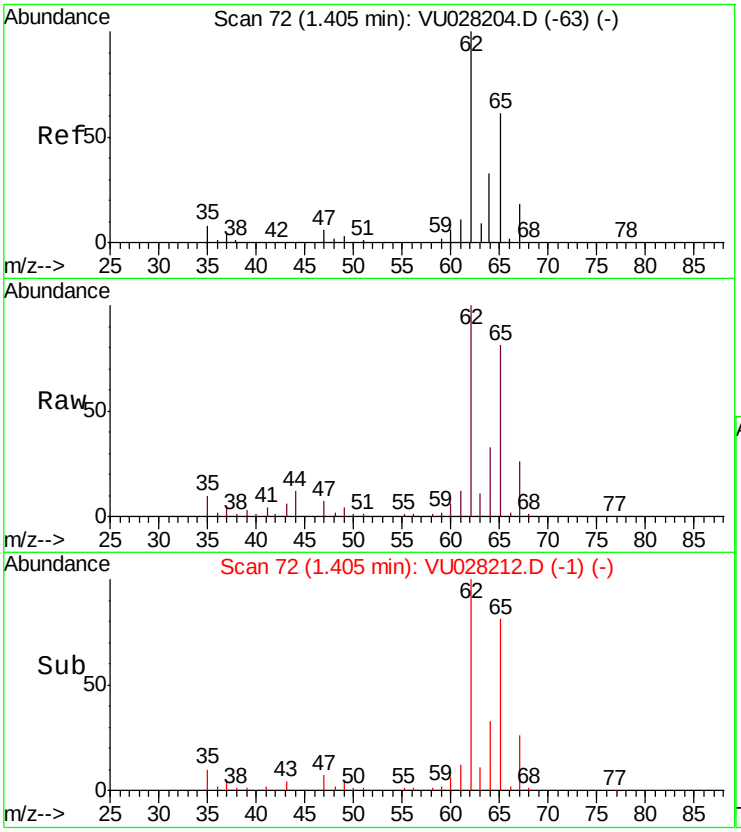


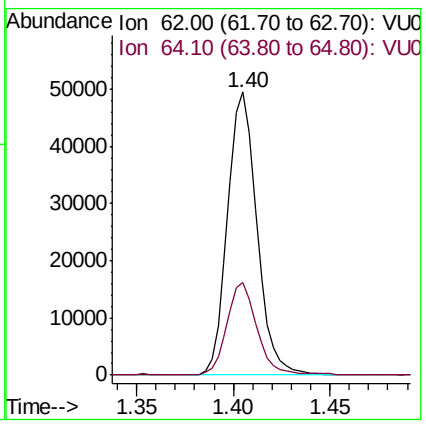


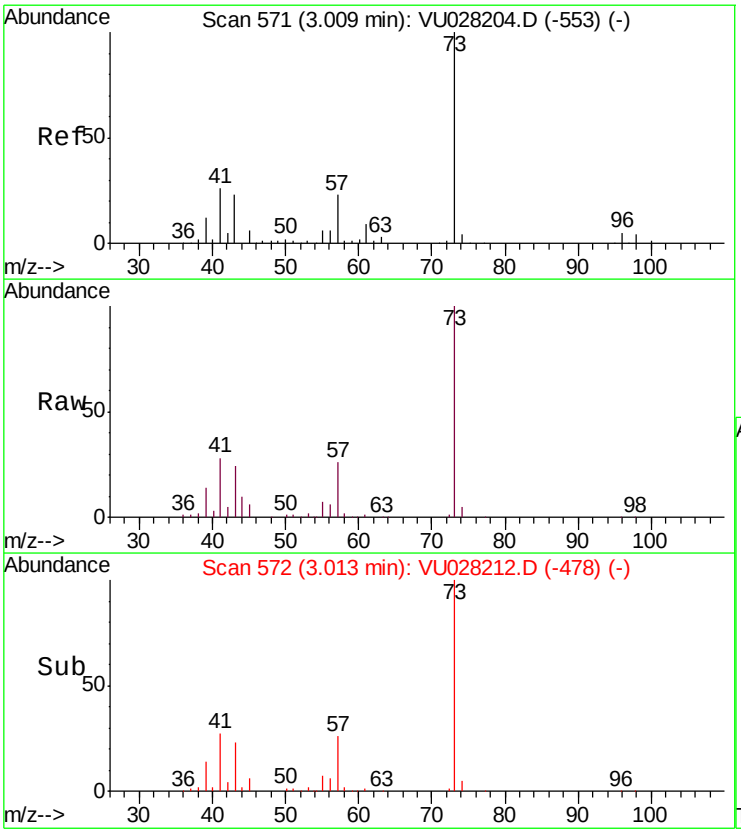
#5
Vinyl chloride
Concen: 3.112 ug/L
RT: 1.40 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :
H0FJ3

Tgt Ion: 62 Resp: 52057

Ion	Ratio	Lower	Upper
62	100		
64	32.6	22.7	42.3

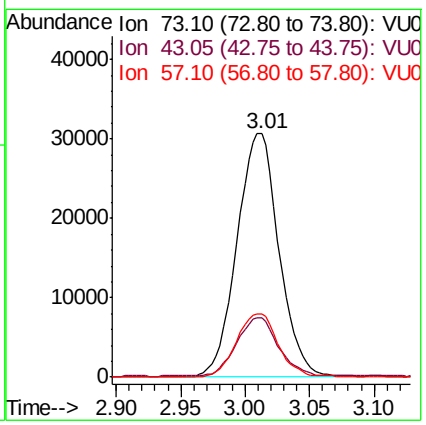


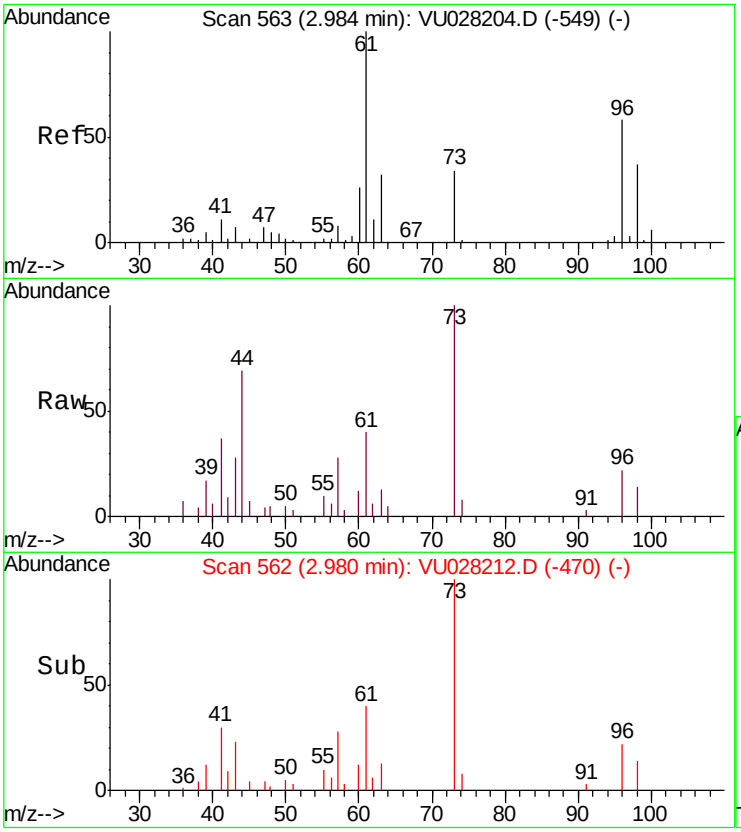


#17
Methyl tert-butyl Ether
Concen: 2.399 ug/L
RT: 3.01 min Scan# 572
Delta R.T. 0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Tgt Ion: 73 Resp: 69633

Ion	Ratio	Lower	Upper
73	100		
43	23.6	18.1	27.1
57	25.8	20.0	30.0



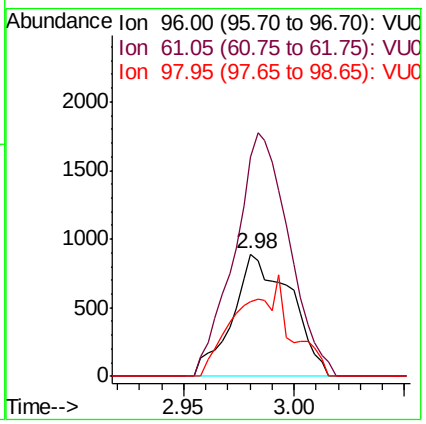


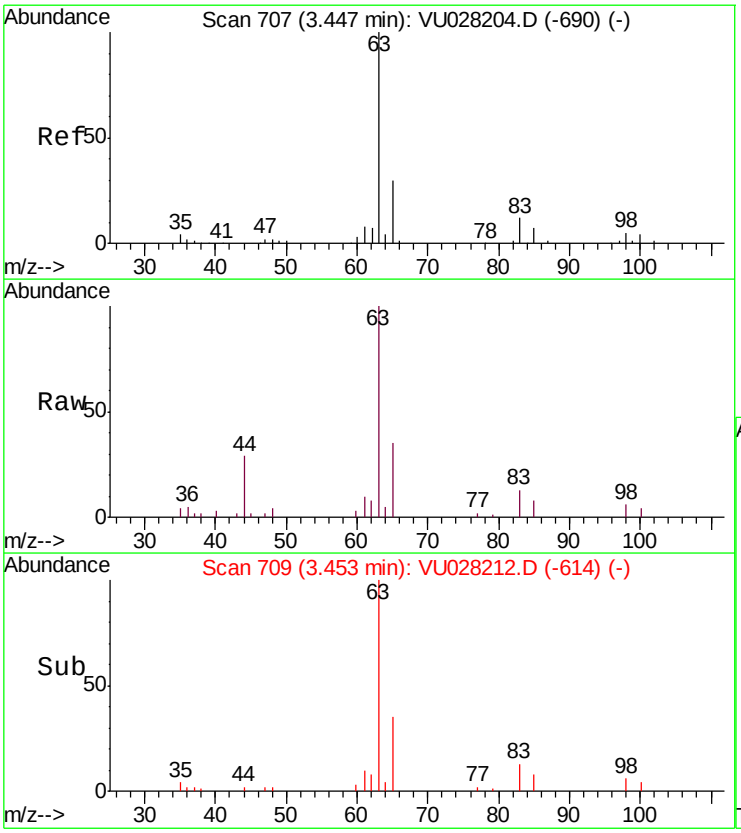
#18
trans-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :
H0FJ3

Tgt Ion: 96 Resp: 1622

Ion	Ratio	Lower	Upper
96	100		
61	179.3	118.5	220.1
98	60.5	44.9	83.5

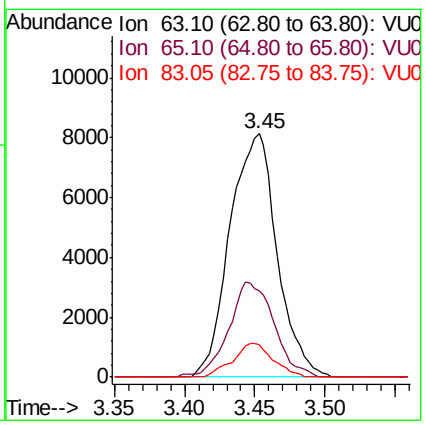


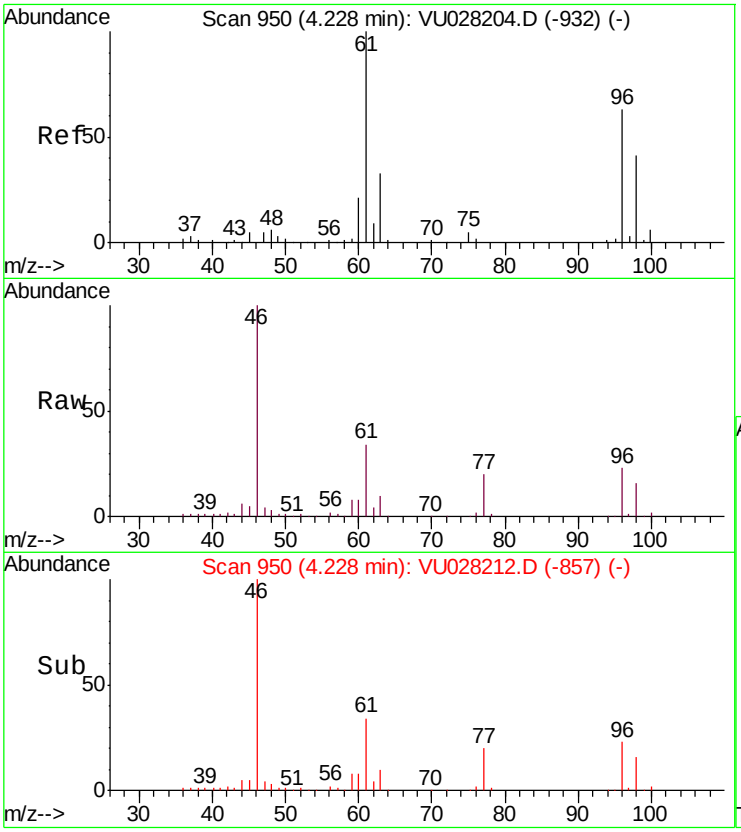


#19
1,1-Dichloroethane
Concen: 0.819 ug/L
RT: 3.45 min Scan# 709
Delta R.T. 0.01 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Tgt Ion: 63 Resp: 19003

Ion	Ratio	Lower	Upper
63	100		
65	35.4	22.2	41.2
83	13.3	8.9	16.5



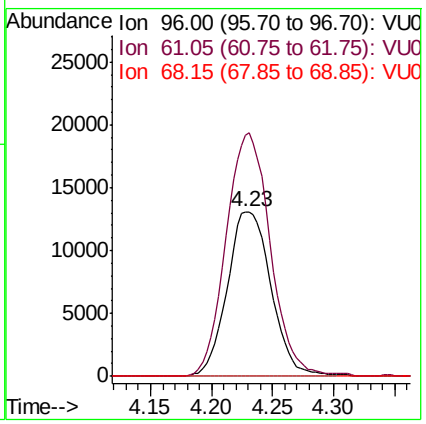


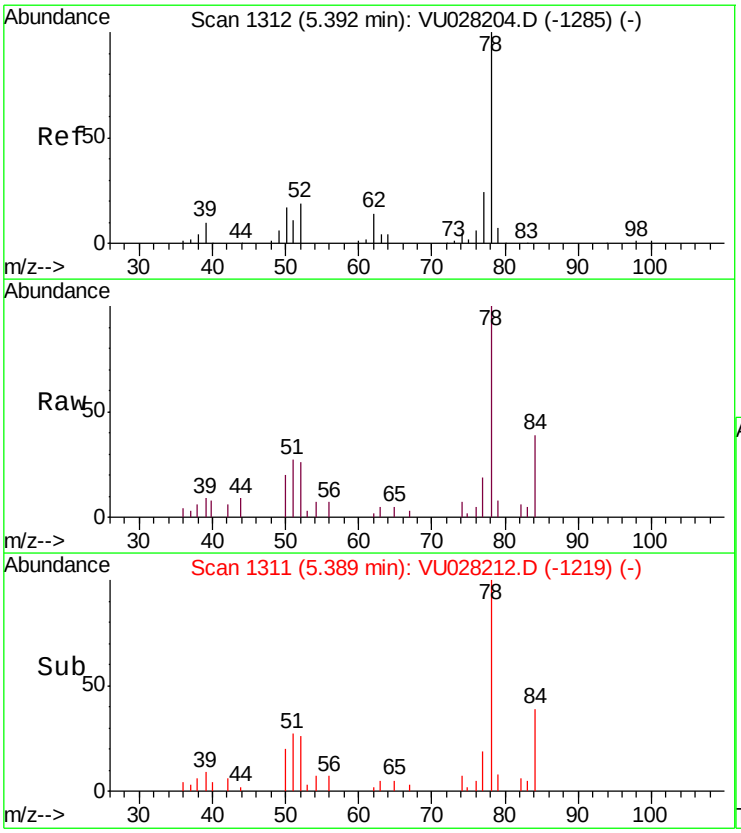
#22
cis-1,2-Dichloroethene
Concen: 2.677 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Instrument : MSVOA_U
ClientSampleId : H0FJ3

Tgt Ion: 96 Resp: 32579

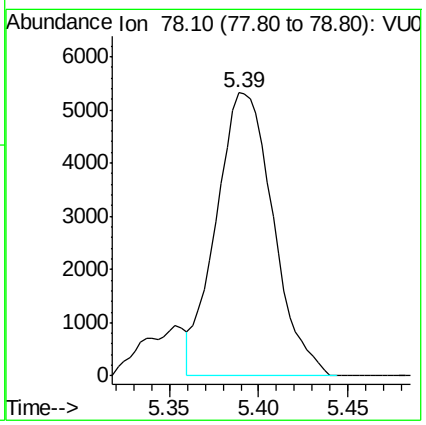
Ion	Ratio	Lower	Upper
96	100		
61	146.7	101.8	189.0
68	0.0	0.0	0.0

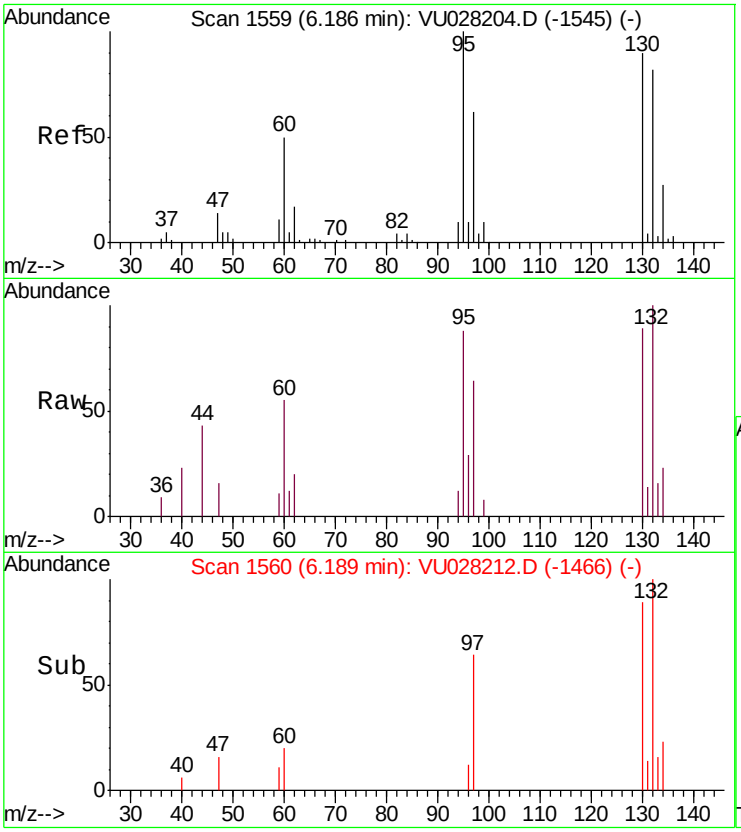




#33
Benzene
Concen: 0.224 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Tgt Ion: 78 Resp: 11813





#34
Trichloroethene
Concen: 0.192 ug/L
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU028212.D
Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :
H0FJ3

Tgt Ion: 95 Resp: 2507

Ion	Ratio	Lower	Upper
95	100		
97	72.9	45.3	84.1
132	113.2	63.0	117.0
130	100.8	63.6	118.2